(c) means operably associated with said sensing means for signalling the presence or absence of said predetermined amount of precipitation.

3. A precipitation sampling device, as in claim 1, where said removable cover which is initially in a sealed relationship over said precipitation collection surface is lifted from and rotated clear of said precipitation collection surface upon a signal from said precipitation detection means and is returned over and into a sealed relationship with said collection surface upon a further signal from said detection means as a predetermined signal.

4. A precipitation sampling device, as in claim 1, where said means for sequentially positioning said sample storage means comprises a rotatable turret containing means for removably holding a plurality of sample storage means in a manner such that the all but one of said plurality of sample storage means is sealed, while said one storage means in a position to receive a precipitation sample.

5. A precipitation sampling device, as in claim 1, wherein said measuring and recording means measures and records the time at which a sample storage means is positioned in fluid communication with said distribution means, the time said sample storage means is positioned in a sealed position, and the identity of said sample storage means.

6. A precipitation sampling device, as in claim 1, wherein all power requirements are supplied by a self-contained source.

7. A precipitation sampling device, as in claim 1, containing means for maintaining precipitation wetted surfaces above freezing temperature when the ambient temperature is below freezing.

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